1 INTRODUCTION

Boeing Reality Corporation (BRC) contracted with Kennedy/Jenks Consultants to compile the existing hydrogeologic database pertinent to understanding groundwater conditions in the vicinity of BRC Former C-6 Facility (Site) in Los Angeles, California (Figure 1-1). This compilation is presented as the Groundwater Status Report for the Site.

1.1 Purpose and Objectives

This Status Report is a compilation and review of regional and site-specific groundwater data, data evaluation, and preparation of report graphics that display the regional and local groundwater conditions. The purpose of this report is to provide a technical basis for understanding the hydrogeologic conditions at and around the Site that incorporates the information collected by previous Site investigations as well as other significant groundwater investigations in the vicinity of the Site. The Status Report will be used to help develop and prepare technical work plans, sampling and analysis plans, presentation materials, and other documents necessary for future actions regarding groundwater at the Site.

1.2 Scope

The scope of this investigation included two primary tasks:

- Compilation and Review of Available Groundwater Data
- Data Evaluation and Report Preparation.

1.2.1 Compilation and Review of Available Groundwater Data

There are multiple sources of data available that describe groundwater conditions in the vicinity of the Site. These include:

- Documents and databases prepared in the course of previous Site investigations
- Documents prepared in the course of investigations at adjacent sites,
- Project correspondence with the California Regional Water Quality Control Board, Los Angeles Region (LARWQCB)
- Groundwater basin reports prepared by various regional groundwater agencies

Kennedy/Jenks identified and reviewed pertinent groundwater information related to three principal sources of groundwater contamination in the Site vicinity:

- Former Martin Marietta Technologies, Inc. International Light Metals Division (ILM site),
- Former Del Amo site (Del Amo site), and the
- Former Montrose Chemical Corporation site (Montrose site).

Primary sources of information for the Del Amo and Montrose sites were two reports prepared for the "Del Amo Study Area" (See sections 2.3.2, 2.3.3 and 2.3.4). The limit of

the Del Amo Study Area generally includes the area shown in Figure 1-2 as the "Limits of Model Domain." As used in this report, the term "Del Amo Study Area" refers to the Del Amo and Montrose sites as well as areas to the south of the sites.

1.2.2 Data Evaluation and Report Preparation

Based on the information that was identified during our review, Kennedy/Jenks compiled groundwater data and produce graphs and maps depicting the groundwater conditions in the region and at the Site. Specifically, Kennedy/Jenks:

1. Prepared composite water elevation maps for the shallow groundwater system, Middle Bellflower Sand-B, Middle Bellflower Sand-C, and Gauge Aquifer.
2. Prepared composite maps of trichloroethene (TCE), 1,1-dichloroethene (1,1-DCE), tetrachloroethene (PCE) and Chloroform for the Site and vicinity
3. Extended regional hydrogeologic cross sections prepared for the Del Amo Study Area groundwater investigation across the Site.
4. Prepared a variety of time-series graphs to depict historic groundwater conditions at the Site including well hydrographs and contaminant concentration graphs.
5. Prepared a plume location map that illustrates the location of major dissolved-phase groundwater plumes and suspected areas of light and dense non-aqueous phase liquids (LNAPL and DNAPL) associated with adjacent sites.
6. Compiled data for the Site vicinity that describe the aquifer properties of the shallow groundwater system and the relationship of the shallow system to deeper aquifers.
7. Reviewed project correspondence with the LARWQCB, identified Site issues, and identified the status of Site issues.
8. Performed a preliminary review of the Record of Decision (ROD) for the "Dual Site Groundwater Operable Unit for Montrose Chemical and Del Amo Superfund Sites" to identify the significance of U.S. Environmental Protection Agency (US EPA) positions taken in the ROD to future activities at the Site.
9. Selected certain data from the Site and the adjacent sites for inclusion into this summary report as appendices to make the data readily available for planning possible remedial investigations at the Site.

1.3 Report Organization

The text of this report incorporates references to:

- Newly prepared figures, tables and oversized sheets.
- Previously released materials that have been extracted from reports of investigations at the Site and adjacent sites.

The previously released materials are compiled in appendices. To assist in locating the referenced material:

- The text reference identifies the Appendix and some appropriate description of the material that varies depending on the nature of the referenced material.
- A cover sheet for each appendix provides the general order of the content.